	<u> </u>	. no <u>p</u> erson		10/661,65			
TRANSMITTAL FORM			First Named Inventor Art Unit Examiner Name	<u> </u>	r 12, 2003  Knadle Jr.		
	all correspondence after initial f Pages in This Submission	filing) 16	Attorney Docket Number	022.0008			
		ENC	LOSURES (Check a	l that apply	()		
Amendme A A Extension Express A Information  Certified of Document Reply to I Incomple	smittal Form  ee Attached  ent/Reply  fter Final  ffidavits/declaration(s)  n of Time Request  Abandonment Request  on Disclosure Statement  Copy of Priority  ht(s)  Missing Parts/ te Application eply to Missing Parts nder 37 CFR 1.52 or 1.53		Drawing(s)  Licensing-related Papers  Petition  Petition to Convert to a Provisional Application Power of Attorney, Revocati Change of Correspondence  Terminal Disclaimer  Request for Refund  CD, Number of CD(s)  Landscape Table on Cocks	Address	After Allowance Communication to TC  Appeal Communication to Board of Appeals and Interferences  Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  Proprietary Information  Status Letter  Other Enclosure(s) (please Identify below):  Return Postcard 2 pgs PTO/SB/08A 4 pgs International Search Report 5 Pages PCT Written Opinion 4 cited references		
	SIGNA	TURE C	F APPLICANT, ATTO	RNEY, C	OR AGENT		
Firm Name	Ingrassia Fisher & Lorenz			<u> </u>			
Signature	1						
Printed name	Timothy J. Lorenz						
Date	Date 03/30/05 Reg. No. 41,954						
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Timothy J. Larenz

Typed or printed name

Date

# APR O 1 2005 BE

#### UTILITY PATENT APPLICATION

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Richard T. Knadle, JR. et al. Group Art Unit: 2821

Serial No.: 10/661,652 Examiner: Trinh Vo Dinh

Filed: September 12, 2003 Attorney Docket No.: 022.0008 (1630)

For: DIRECTIONAL ANTENNA ARRAY

#### CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P. O. Box 1450 Alexandria, VA 22313-1450.

on 03/30/05 . Signature: Timothy J. Lorenz (Reg. No. 41,954)

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This IDS includes:

A list of all patents, publications, applications, or other information submitted for consideration by the Office on PTO/SB/08A Form, which is included herewith;

		A legible copy of: (i) each foreign pater portion which caused it to be listed; an application, the application specificated drawing of the application, or that portion it to be listed including any claims direct other information or that portion which subsequently provided in this IDS.	nd (iii) each cited pending U.S. on including claims, and any of the application which caused cted to that portion; and (iv) all					
II.	CONC	ICISE EXPLANATION OF THE RELEVANCE (check at least one box)						
		Except as may be subsequently indicate explanation is not required as all of the p or other information are in the English lan	atents, publications, applications					
		A concise explanation of the relevance, as it is presently understood by the individual designated in 1.56(a) most knowledgeable about the content of the information, of all patents, publications, applications or other information listed that is not in the English language.						
	$\boxtimes$	A copy of the translation of a non-English Language document, or portion thereof is enclosed with this IDS (e.g., a translation of an abstract).						
		Any patent, publication, pending applicational listed on PTO/SB/08A Form, which are previously cited by or submitted to the applications that has been relied on for under 35 U.S.C 120 and the IDS submitted to the complies with paragraphs (a) through (c) or the submitted to the submitted to the applications.	office in one of the following an earlier effective filing date nitted in the earlier application					
		U.S. Application Serial No.	U.S. Filing Date					
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III.	THIS	IDS IS BEING FILED UNDER 37 C.F.R.	1.97(b): (check one box)					
		Within three months of the filing date of a national application other than a continued prosecution application under 1.53(d).						
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		Before the mailing date of a first Office A that a first Office Action on the merits he this IDS under 37 C.F.R. 1.97(c) and see charge deposit account 50-2091 the fee s such statement is not selected in Section V	as been mailed, please consider the statement under 1.97(e) or pecified by 37 C.F.R. 1.17(p) if					

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		a statement specified in 1.97(e) as subsequently provided in this IDS; or						
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cited in that the which ordinar an adm patenta constru- request No. 29 is request charge	esent in this III ey const would be a simple to constitute a proper to the approper the second to the approper	spectfully submitted that the claims presently on file patently distinguish vention from each of these references cited in this IDS. The references of are being cited only in the interests of candor and without any admission itute statutory prior art or contain matter which anticipates the invention or render the same obvious, either singly or in a combination, to a person of in the art. Furthermore the filing of this IDS should not be construed to be that the information cited in this IDS is, or is considered to be, material to so defined in 1.56(b). In addition, the filing of this IDS should not be representation that a search has been made.  Examiner has any questions concerning these IDS, the Examiner is contact the undersigned at the telephone number associated with Customer of it is determined that this IDS has been filed under the wrong rule, the PTO consider this IDS under the proper rule, with a petition if necessary, and repriate fee to Deposit Account No. 50-2091.  Charge any additional fees or credit any overpayment related to this IDS to that No. 50-2091.  Respectfully submitted,						
_	sia Fish	By:  Plmothy J. Lorenz  Reg. No. 41,954  mer & Lorenz  mber 29906						
Enclos	ures:	<ul> <li>✓ PTO/SB/08A</li> <li>✓ References</li> <li>☐ Foreign Search Report</li> <li>☐ Fee</li> <li>✓ Other: International Search Report</li> <li>PCT Written Opinion</li> </ul>						

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of

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Complete if Known						
Application Number	10/661,652					
Filing Date	September 12, 2003					
First Named Inventor	Richard T. Knadle Jr.					
Art Unit	2821					
Examiner Name	Trinh Vo Dinh					
Attorney Docket Number	022.0008 (1630)					

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> – Number <sup>4</sup> – Kind Code <sup>5</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>	
	<u> </u>	GB 2 393 076 A	03-17-2004	RF Tags LTD.			
		JP 2000 322545 A (and Abstract)	11-24-2000	Toenec Corp.		-	
		JP 10 032418 A (Abstract)	07-18-1996	DX Antenna Co. LTD.	#31754114-41111-15541146		
		EP 0 718 912 A1	06-26-1996	Alcatel SEL Aktiengesellschaft			
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Examiner	Date	
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				Complete if Known		
Subs	titute for form 1449A/PT	ro		Application Number	10/661,652	
				Filing Date	September 12, 2003	
	ORMATION DI			First Named Inventor	Richard T. Knadle Jr.	
	ATEMENT BY A			Art Unit	2821	
(ι	use as many sheets a	as nec	essary)	Examiner Name	Trinh Vo Dinh	
Sheet 2 of 2		Attorney Docket Number	022.0008 (1630)			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite, No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.  DEAL, WILLIAM R. et al., A Now Quasi-Yagi Antenna For Planar Active Antenna Arrays, IEEE Transactions on Microwave Theory and Techniques, IEEE Inc., New York, US, Vol. 48, No. 6, June 2000 (2000-06) pgs 910-918	T <sup>2</sup>
		DEAL, WILLIAM R. et al., A Now Quasi-Yagi Antenna For Planar Active Antenna Arrays, IEEE Transactions on Microwave Theory and Techniques, IEEE Inc., New York, US, Vol. 48, No. 6, June 2000 (2000-06) pgs 910-918	
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